

Checklist of the family Lecithoceridae (Lepidoptera: Gelechioidea) in New Guinea, with description of two new species

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Abstract: A checklist of all 146 known species of the family *Lecithoceridae* in New Guinea is provided. Two species of this family from Papua of Indonesia and Papua New Guinea are described, namely *Lecithocera breiensis* sp. nov. and *Aprosoesta laminella* sp. nov.

Key words: Checklist, taxonomy, *Aprosoesta*, *Lecithocera*, new species, New Guinea.

Introduction

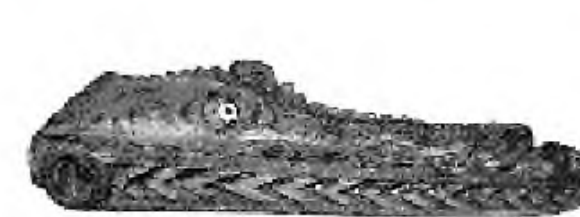
The family Lecithoceridae is one of highly diverse microlepidoptera, with more than 1230 species worldwide (Park 2015). However, it has been poorly studied due to the economic unimportance of its larvae, which mostly feed on dead plant material; few specialists on this group are available worldwide. The family is highly diverse in the Oriental, Australian, Oceanian and Neotropical regions. In a faunal study of New Guinea (Papua New Guinea and Papua of Indonesia), Diakonoff (1954) reviewed the population diversity of the family in the western part of the island (Papua of Indonesia), reporting 78 species in the Gelechiidae group (31 species of *Lecithocera* Herrich-Schäffer, 40 species of *Crocantbes* Meyrick, and seven species of little known genera including *Asmenistis* Meyrick, *Gonaepa* Walker, *Periphorectis* Meyrick). He placed all species related to the subfamily Lecithocerinae in *Lecithocera*, and placed the others, whose gnathos were absent in the male genitalia, in *Crocantbes*. Diakonoff also described *Asmenistis semifracta* from Papua, based on a single female, but did not illustrate its genitalia. The generic status of *semifracta* Diakonoff is still uncertain and listed tentatively in the subfamily Lecithocerinae.

Since this study by Diakonoff (1954), no comprehensive work had been conducted on Lecithoceridae in New Guinea. However, since 2010, Park and his co-authors have published several dozens of papers on Lecithoceridae from New Guinea (Park 2010, 2011a-h, 2012a-e, 2013, 2014, 2015;

Park & Byun 2010; Park & Lee 2013a-c; Park et al. 2016), describing more than 80 new species belonging to 12 new genera of the family Lecithoceridae from New Guinea. These genera include *Neopectinimura* Park, 2010; *Hamatina* Park, 2011; *Neotimyra* Park, 2011; *Onnuria* Park, 2011; *Scolizona* Park, 2011; *Strombiola* Park, 2011; *Crinellus* Park, 2012; *Lacuniola* Park, 2012; *Sulciolus* Park, 2012; *Hannara* Park, 2013; *Lamprista* Park, 2013; and *Pacificulla* Park, 2013.

In New Guinea, a total of 146 species of the family have been found, comparing to the 48 species known from the Australian Region. The subfamily Lecithocerinae is the most diverse group, with 76 known species; the subfamily Crocanthinae holds 68 known species, while Torodorinae contains only two species.

The genus *Lecithocera* from New Guinea currently contains 28 known species. *Lecithocera nomaditis* has been found in the nearby Solomon Islands, and two more species, *L. perigypsa* and *L. lamprodesma*, have been reported from Celebes, Indonesia, an area located near the border of the Oriental and Oceanian Regions. Meyrick (1925) listed *Brachmia thraneuta* (Meyrick) and *Lecithocera caligula* Meyrick as synonyms of *L. invariella* Walker, and thus Diakonoff (1954) listed *L. invariella* in the key of *Lecithocera* of New Guinea. The species *Torodora thraneuta* was described in India and Sri Lanka (Meyrick, 1911), *L. invariella* in Sarawak, Malaysian Borneo (Walker 1864), and *L. caligula* was from New Guinea (Meyrick 1918). However, the species *invariella* Walker is excluded from the



check list, because the taxonomic status of *caligula* Walker and *caligula* Meyrick is still uncertain. *la* Meyrick and the relationship between *invariella*

Table 1. Genera of Lecithoceridae and species richness recognized in New Guinea.

Genus	Number of species	Genus	Number of species
Lecithocerinae		Torodorinae	
<i>Asmenistis</i> Meyrick, 1925	1	<i>Thubana</i> Walker, 1886	1
<i>Crinellus</i> Park, 2012	1	<i>Torodora</i> Meyrick, 1894	1
<i>Hamatina</i> Park, 2011	6	Subtotal	2
<i>Lacuniola</i> Park, 2012	1	Crocantinae	
<i>Lecithocera</i> Herrich-Schäffer, 1853	28	<i>Aprosoesta</i> Turner, 1919	12
<i>Neotimyra</i> Park, 2011	5	<i>Crocantes</i> Meyrick, 1886	20
<i>Onnuria</i> Park, 2011	5	<i>Gonaepa</i> Walker, 1886	9
<i>Pectinimura</i> Park, 2008	5	<i>Hannara</i> Park, 2013	2
<i>Sarisophora</i> Meyrick, 1904	9	<i>Lamprista</i> Park, 2013	3
<i>Scolizona</i> Park, 2011	3	<i>Pacificulla</i> Park, 2013	22
<i>Strombiola</i> Park, 2012	1	Subtotal	68
<i>Sulciolus</i> Park, 2012	7	TOTAL	146
<i>Telephata</i> Meyrick, 1916,	4		
Subtotal	76		

The genus *Aprosoesta* had been treated as a junior category of *Crocantes* by previous authors, but was reclassified as a distinct genus by Park (2015). A total of 12 species have been described in New Guinea, with only one species, *A. pancala*, occurring in both New Guinea and Australia (Park et al. 2016). An additional new species is described later in this article.

Materials and methods

The materials examined were based on material collected from Papua New Guinea by V.O. Becker in 1992 and preserved in the USNM, as well as material collected by R. de Vos and his colleagues from Papua (former Irian Jaya) of Indonesia in 1993 and preserved in the RMNH. Various types of materials are deposited in both museums.

Abbreviations used in the text:

- ANIC – The Australian National Collection of Insects, Canberra, Australia;
- BMNH – The Natural History Museum, London, United Kingdom;
- MHUB – The Museum für Naturkunde Humboldt-Universität zu Berlin, Germany;
- USNM The National Museum of Natural History, Washington D.C., U.S.A.;
- RMNH – Netherlands Centre for Biodiversity Naturalia (= the Rijksmuseum van Natuurlijke Historie), Leiden, The Netherlands.

Taxonomic part

***Lecithocera breiensis* sp. nov.** (Plate 84 figs 1, 1a-b, 3, 3a-b)
Holotype ♂ RMNH: Bird’s Head Peninsula, Warkapi (nr Breie), Primary lowland forest 500 m, at light, 12 xi 1993; INDONESIA, Irian Jaya, coll. A.J. de Boer, A.L.M. Rutten & R. de Vos, gen. slide no. CIS-5992/Park.



Paratype 1♂ RMNH: Wardammen Peninsula, Tanida 17 km S Wasior, at light, 6 xi 1993; Indonesia, Irian Jaya, coll. A.J. de Boer, A.L.M. Rutten & R de Vos.

Derivatio nominis: Toponymic. The species name is derived from the type locality.

Diagnosis: This species is similar to *L. submersa* Diakonoff in the forewing pattern, with fuscous scales densely scattered throughout, a pair of black discal spots in the cell. However, it is much smaller (smaller wingspan than that of *L. submersa* at 16 mm), and the forewing is broadened toward the apex. Differences between male genitalia of the species are also notable.

Description: Male (Plate 84 fig. 1, 1a, 1b). Wingspan, 12 mm. Head orange white on dorsal surface, with brownish scales medially. Pedicel of antenna elongate, brownish dorsally; basal 4-5 segments of flagellum blackish, then light yellow with brown annulations; apical and preapical segment black. Labial palpus (Fig. 1b) with second segment thickened, dorsal margin nearly straight, brownish on outer margin and light yellow on inner margin; 3rd segment slightly shorter than 2nd segment, with acute apex. Tegula brownish dorsally, with black scales anteriorly. Hind tibia slender, without hairs above, apical part brownish. Forewing gradually broader toward distal part; ground color light orange, fuscous scales densely scattered throughout, more dense in distal 1/4; blackish broad basal streak extended to 1/5 length along costa; two discal blackish spots, one before middle and the other at end of cell; apex obtuse; termen slightly concave; fringe dark brown with light orange basal line. Hindwing light orange; fringe concolorous. Female unknown.

Male genitalia: (Plate 84 fig. 3, 3a-b). Gnathos strongly bent beyond middle, with sharply pointed apex. Tegumen with band-like flaps laterocaudally arising from both corners and forming triangular. Costal bar with median expansion. Valva broad at base; cucullus shorter than basal part of valva, costa slightly concave, densely setose in lower half, with more than 15 conic short spines along ventral margin, with a bundle of bristle-like scales in basal ventral corner; basal corner extended anteriorly, forming a finger; outer margin gently rounded; apex rounded; sacculus expended near middle, then narrowed and acute apically. Juxta deeply concave in U-shape on caudal margin (as arrow 1). Phallus stout, shorter than valva, strongly bent at 1/3 on ventral margin, dorsal surface sclerotized, bifurcated apically; with a small, sclerotized, horn-shaped cornutus beyond middle. Abdominal segment VIII is

shown in Fig. 3b.

Distribution: Papua, Indonesia (Doberai = Bird's Head Peninsula).

***Aprosoesta laminella* sp. nov.** (Plate 84 figs 2, 2a-b, 4, 4a)

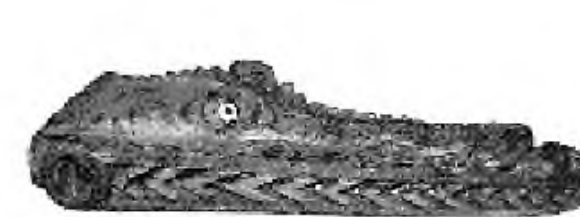
Holotype ♂ USNM: Papua N. Guinea, Madang, Brahman Mission, 200 m, 11-15 x 1992, VO Becker Col.; Col. BECKER, PNG 2986, gen. slide no. CIS-5923/Park.

Derivatio nominis: The species name is derived from Latin "lamina" [plate of leaf], referring to the plate of juxta.

Diagnosis: This new species is superficially similar to *A. eremitatos* Park, 2015, with less maculated wings and color pattern, and a very short 3rd segment of the labial palpus. However, it can be distinguished by its forewing, which lacks distinct white subterminal line and has distinct fuscous spots along the termen from apex to tornus, and by the characteristics of the male genitalia as shown in Figs 4 and 4a.

Description: Male (Plate 84 figs 2, 2a-b). Wingspan 10.5 mm. Head yellowish white, shiny, speckled with brownish scales dorsally; frons yellowish white. Pedicel of antenna slender, light orange dorsally, dark brown ventrally; flagellum yellowish white throughout. (beyond middle broken). Labial palpus (Fig. 2b) with second segment thickened, long, gently arched and recurved, basal 2/5 brownish, then light orange beyond; 3rd segment (Fig. 2a) short, less than 1/4 length of 2nd segment, slightly curved downward. Tegula covered with brownish scales, fuscous anteriorly. Thorax yellowish white. Forewing ground color creamy white, broad blackish streak extended to 1/4 along costa; quadrate brownish patch before middle on costa, followed by smaller one beyond 2/3; ante- and median fascia not developed; postmedian fascia indistinctly presented, broadly diffused; discal spots obscure; blackish spots presented along termen from apex to tornus; apex obtuse; termen oblique, slightly concave medially, fringe light orange in basal half, dark brown beyond; venation similar to that of *A. eremitatos* Park. Hindwing ground color same as the forewing; blackish discal spot at end of cell; subterminal fascia brownish, arising from 3/4 on costa and extended to tornus; apex acute. Female unknown.

Male genitalia: (Plate 84 fig. 4, 4a). Uncus elongated, with acute apex, about 2/5 the length of tegumen. Gnathos absent. Tegumen with long lateral plate extended anteriorly, anterior margin deeply concave. Valva elongate, exceeding apex of uncus, with heavily sclerotized apical spine; dorsal margin



with heavily sclerotized, digitate process before middle; ventral margin slightly concave near basal 2/5; cucullus with long bristles on surface, dense in lower half on upper ventral margin and sparsely scattered below ventral margin, longer ones in apical part, a row of setae in lower corner of cucullus. Juxta with a pair of long, symmetrical lobes which are slightly shorter than tegumen with caudal margin serrated (as arrow 2); sacculus broadly developed, extended to lower corner of cucullus. Saccus with flat on anterior margin. Phallus simple without lateral process, slightly longer than tegumen. Distribution: Papua New Guinea (Madang Province).

Check list of Lecithoceridae in New Guinea

Legends: TL – type locality; depositories of type specimens given in square brackets []; ? – means that it is not known where the type specimens are deposited.

Lecithocerinae

Asmenistis Meyrick, 1925

Type species: *Lecithocera cucullata* Meyrick, 1914

semifracta Diakonoff, 1954: 41. TL: Papua, Indonesia [RMNH]

Crinellus Park, 2012

Type species: *Lacuniola eremicus* Park, 2012

eremicus Park, 2012: 220. TL: Madang, PNG [USNM]

Hamatina Park, 2011

Type species: *Hamatina hemitoma* (Diakonoff, 1954)

diakonoffi Park, 2011: 57. TL: Morobe, PNG [USNM]
hemitoma (Diakonoff), 1954: 51. TL: Papua, Indonesia [RMNH]

iriana Park, 2011: 210. TL: Papua, Indonesia [RMNH]
jembatana Park, 2011: 209. TL: Papua, Indonesia [RMNH]

nabangae Park, 2011: 206. TL: Morobe, PNG [USNM]
robdevosi Park, 2011: 209. TL: Papua, Indonesia [RMNH]

Lacuniola Park, 2012

Type species: *Lacuniola hadrorhacha* Park, 2012

hadrorhacha Park, 2012: 220. TL: Morobe, PNG [USNM]

Lecithocera Herrich-Schäffer, 1853

Type species: *Carcina luticornella* Zeller, 1839

autodyas Meyrick, 1929: 525. TL: New Ireland, PNG [?]

biaroensis Park, 2102: 321. TL: Morobe, PNG [USNM]
brachyptila Diakonoff, 1954: 50. TL: Papua, Indonesia [RMNH]

breiensis sp. nov. TL: Papua, Indonesia [RMNH]

brunneibella Park, 2012: 322. TL: Madang, PNG [USNM]

ceratoides Park, 2012: 325. TL: Morobe, PNG [USNM]

coleasta Meyrick, 1918: 103. TL: Sariba Is., PNG [?]

deloma Durrant, 1915: 165. TL: Papua, Indonesia [?]

disperma (Diakonoff, 1954: 39). TL: Papua, Indonesia [RMNH]

fascitiala Park, 2012: 71. TL: Madang, PNG [USNM]

gyrosiella Park, 2012: 323. TL: Morobe, PNG [USNM]

hispidiella Park, 2012: 323. TL: Morobe, PNG [USNM]

inkyuleei Park, 2012: 322. TL: Morobe, PNG [USNM]

lasioides Park, 2012: 325. TL: Morobe, PNG [USNM]

megalosperma Diakonoff, 1954: 58. TL: Papua, Indonesia [RMNH]

niptanensis Park, 2012:71. TL: Morobe, PNG [USNM]

porrectiella Park, 2012: 325. TL: Morobe, PNG [USNM]

prudens Meyrick, 1918: 106. TL: Papua, Indonesia [?]

pseudolunata Park, 2012: 70. TL: Morobe, PNG [RMNH]

purpurea Diakonoff, 1954: 50. TL: Papua [RMNH]

spinulata Park, 2012: 324. TL: Morobe, PNG [USNM]

squamifera Meyrick, 1929: 525. TL: New Hanover, PNG [?]

staurophora Meyrick, 1931: 81. TL: Mambare, PNG [?]

= *strepsicrena* Meyrick, 1931: 81.

= *spinigera* Diakonoff, 1954: 59.

stelophanes Meyrick, 1938: 514. TL: Mafulu, PNG [?]

stichoides Park, 2011: 324. TL: Morobe, PNG [USNM]

strigosa Durrant, 1915: 165. TL: Papua, Indonesia [?]

sublunata Diakonoff, 1954: 60. L: Papua, Indonesia [RMNH]

submersa Diakonoff, 1954: 59. TL: Papua, Indonesia [RMNH]

Neotimyra Park, 2011

Type species: *Neotimyra senara* Park, 2011

gyriola Park, 2011: 419. TL: Morobe, PNG [USNM]

milleri Park, 2011: 419. TL: Morobe, PNG [USNM]

nemoralis Park, 2011: 420. TL: Madang, PNG [USNM]

senara Park, 2011: 418. TL: Morobe, PNG [USNM]

warkapiensis Park, 2011: 420. TL: Papua, Indonesia [RMNH]

Onnuria Park, 2011

Type species: *Onnuria .xanthochroa* Park, 2011

arfakana Park, 2011: 58. TL: Papua, Indonesia [RMNH]

depaprensis Park, 2011: 58. TL: Papua, Indonesia [RMNH]

melanotoma Park, 2011: 158. TL: Morobe, PNG [USNM]

tenuiella Park, 2011: 160. TL: W. Highlands, PNG [USNM]

xanthochroa Park, 2011: 156. TL: Morobe, PNG [USNM]

Pectimimura Park, 2008

Type species: *Pectinimura montiatilis* Park, 2008



areola Park, 2011: 46. TL: Morobe, PNG [USNM]
baryoma (Diakonoff, 1954: 53). TL: Papua, Indonesia [RMNH]
brahmanica Park, 2011: 47. TL: Madang, PNG [USNM]
gilvicostata Park, 2011: 48. TL: Morobe, PNG [USNM]
singularis Park, 2011: 45. TL: Morobe, PNG [USNM]

Sarisophora Meyrick, 1904

Type species: *Sarisophora leptoglypta* Meyrick, 1904
beckerina Park, 2012: 10. TL: Morobe, PNG [USNM]
cyanostigmatis Park, 2012: 14. TL: Morobe, PNG [USNM]
designata Park, 2012: 11. TL: Morobe, PNG [USNM]
hadroides Park, 2012: 10. TL: Morobe, PNG [USNM]
melanotata Park, 2012: 11. TL: Morobe, PNG [USNM]
notornis Park, 2012: 11. TL: Morobe, PNG [USNM]
praecentrix Meyrick, 1931: 78. TL: Hydrographer Mts., PNG [?]
pyrrhotata Park, 2012: 10. TL: Morobe, PNG [USNM]
tamiodes Meyrick, 1910: 445. TL: Sudest Is. & St. Aignan Is. PNG [?]

Scolizona Park, 2011

Type species: *Lecithocera rhinoceros* Diakonoff, 1954
palinoides Park, 2011: 309. TL: Morobe, PNG [USNM]
rhinoceros Diakonoff, 1954: 47. TL: Papua, Indonesia [RMNH]
ulniformis Park, 2011: 309. TL: Morobe, PNG [USNM]

Strombiola Park, 2011

Type species: *Strombiola papuana* Park, 2011
papuana Park, 2011: 421. TL: Morobe, PNG [USNM]

Sulciolus Park, 2012

Type species: *Lecithocera pachystoma* Diakonoff, 1954
abrasa (Diakonoff), 1954: 46. TL: Papua, Indonesia [RMNH]
capra (Diakonoff), 1954: 48. TL: Papua, Indonesia [RMNH]
circulivalvae Park, 2012: 300. TL: Morobe, PNG [USNM]
induta (Diakonoff), 1954: 49. TL: Papua, Indonesia [RMNH]
kaindiana Park, 2012: 300. TL: Morobe, PNG [USNM]
pachystoma Diakonoff, 1954: 57. TL: Papua, Indonesia [RMNH]
perpicua Diakonoff, 1954: 56. TL: Papua, Indonesia [RMNH]

Telephata Meyrick, 1916: 592.

Type species: *Telephata cheramopis* Meyrick, 1916
cheramopis Meyrick, 1916: 593. TL: Yule Isl., PNG [?]
nitens (Diakonoff), 1954: 45. TL: Papua, Indonesia [RMNH]
ferruginula Park, 2011: 85. TL: Western Highlands, PNG

[USNM]
melanista Park, 2011: 84. TL: Morobe, PNG [USNM]

Torodorinae

Thubana Walker, 1864
Type species: *Thubana bisignatella* Walker, 1864: 814.

brunalis Park, 2016: 148. TL: Papua, Indonesia [RMNH]

Torodora Meyrick, 1894

Type species: *Torodora characteris* Meyrick, 1894: 16.
wauensis Park, 2010: 405. TL: Morobe & Madang, PNG [USNM]

Crocanthinae

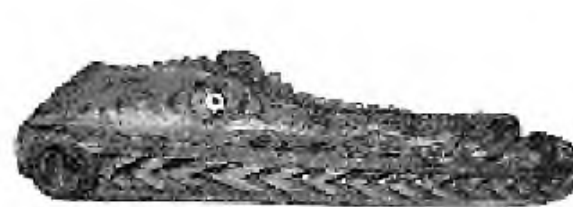
Aprosoesta Turner, 1919
Type species: *Aprosoesta pancala* Turner, 1919

cordispina Park, 2015 TL: Madang, PNG [USNM]
cyclopsana (Park, 2011: 784). TL: Papua, Indonesia [RMNH]
eremitatos Park, 2015: 286. TL: Papua, Indonesia [RMNH]
gatoralis (Park, 2011: 784). TL: Papua, Bird's Head Peninsula [RMNH]
heliograpta Meyrick, 1929: 520. TL: Papua, Dampier Is [BMNH]
laminella sp. nov. TL: Madang, PNG [USNM]
pancala Turner, 1919: 151. TL: Queensland, Australia [ANIC]
poliozona (Park, 2011: 782). TL: Madang, PNG [USNM]
strombiana Park, 2015: 257. TL: Morobe, PNG [USNM]
subpancala Park, 2015: 254. TL: Madang, PNG [USNM]
vinnula Park, 2015: 257. TL: Madang, PNG [USNM]
warmarensis (Park, 2011: 784). TL: Papua, Bird's Head Peninsula [RMNH]

Crocantes Meyrick, 1886

Type species: *Crocantes prasinopis* Meyrick, 1886
= *Sphenocrates* Meyick, 1925
Type species: *Crocantes aulodocha* Meyrick, 1918

anactostola Diakonoff, 1954: 27. TL: Papua, Indonesia [RMNH]
aulodocha Meyrick, 1918: 98. TL: Papua, Indonesia [RMNH?]
crpsicola Durrant, 1915: 165. TL: Papua, Indonesia [BMNH]
fallax Durrant, 1915: 164. TL: Papua, Indonesia [BMNH]
= *monodesma* Meyrick, 1931: 73.
gracilosa Park, 2015: 261. TL: Madang, PNG [USNM]
hagenensis Park, 2015: 266. TL: Madang, PNG [USNM]
leucodonta Diakonoff, 1954: 27. TL: Papua, Indonesia [RMNH]
prasinopis Meyrick, 1886: 277. TL: E. Australia [BMNH]
sidonia Meyrick, 1910: 442. TL: St. Aignan Is., Sariba Is., Queensland [BMNH]



susuensis Park, 2015: 265. TL: Madang, PNG [USNM]
temeraria Meyrick, 1910: 443. TL: Morseby, PNG [?]
[not grouped] Park (2015) grouped *Crocantthes* into 4 species-groups, but following 9 species were not included in the groups and left in “not-grouped”
celema Durrant, 1915: 152. TL: Papua, Indonesia [BMNH]
hecuba Meyrick, 1931: 74. TL: PNG [BMNH]
phoenoteles Meyrick, 1929: 519. TL: Kumusi R., PNG [BMNH]
platycitra Meyrick, 1931: 73. TL: Biagi, PNG [BMNH]
rhodantha Meyrick, 1918: 97. TL: Papua, Indonesia [BMNH?]
scioxantha Meyrick, 1910: 443 TL: Papua, Indonesia [BMNH]
symmochlopa Meyrick, 1929: 519. TL: New Mecklenburg. PNG [BMNH]
 = *triglenopa* Meyrick, 1929: 520.
thalamectis Meyrick, 1929: 521. TL: Kumusi Riv., PNG [BMNH]
xanthistia Meyrick, 1931: 73. TL: Papua, Indonesia [BMNH]

Gonaepa Walker, 1866

Type species: *Gonaepa josianella* Walker, 1886

actins Walsingham, 1915: 149. TL: Papua, Indonesia, Snow Mts [RMNH?]
cordata Park, 2016: 677. TL: Leyte, Philippines [MHUB]
dysthyma Diakonoff, 1954: 38. TL: Papua, Indonesia [RMNH?]
josianella Walker, 1866: 1840. TL: New Guinea [?]
heliarcha Meyrick, 1886: 278. TL: Port Moresby, PNG [?]
nagaensis Park, 2016: 677. TL: Luzon, Naga, Philippines [MHUB]
ochrorhytisma Park, 2016: 677. TL: Samar, Philippines [MHUB]
pyrochorda Meyrick, 1910: 442. TL: New Guinea [BMNH]
phaeograpta (Meyrick, 1931: 75). TL: Kumusi R., PNG [?]

Hannara Park, 2013

Type species: *Hannara buloloensis* Park, 2013

buloloensis Park, 2013: 220. TL: Papua New Guinea, Bulolo [USNM]
gentis Park, 2013: 220. TL: Papua, Indonesia, Lorentz [RMNH]

Lamprista Park, 2013

Type species: *Lamprista emmeli* Park, 2013

emmeli Park, 2013: 595. TL: Madang, PNG [USNM]
hemipyra Meyrick, 1938: 513. TL: Kokoda, PNG [BMNH]
ortholepida Park, 2013: 597. TL: Madang, PNG [USNM]

Pacificulla Park, 2013

Type species: *Pacificulla flaviagera* Park, 2013

callisomata Park, 2013: 73. TL: Papua, Indonesia [RMNH]
carcharias (Meyrick, 1910: 440). TL: Papua, Indonesia [BMNH]
cervicalis Park, 2013: 74. TL: Papua, Indonesia [RMNH]
cleomorpha (Meyrick, 1931: 74). TL: Hydrographer Mts., PNG [BMNH]
esdiparki Park, 2013: 69. TL: PNG [USNM]
eurypyra (Meyrick, 1918: 9). TL: Papua, Indonesia [BMNH]
flaviagera Park, 2013: 68. TL: Madang, PNG [USNM]
gelastis (Meyrick, 1918: 97). TL: Papua, Indonesia [BMNH]
geniola (Meyrick, 1931: 74). TL: PNG [BMNH]
heliogaris (Diakonoff, 1954: 32). TL: Papua, Indonesia [RMNH]
igneae (Meyrick, 1925: 429). TL: Papua, Indonesia [BMNH]
ignigera Meyrick, 1938: 513. TL: Mafulu, PNG [BMNH]
kekamatana Park, 2013: 76. TL: Papua, Indonesia [RMNH]
megalophthalma (Diakonoff, 1954: 30). TL: Papua, Indonesia [RMNH]
miltina (Durrant, 1915: 151). TL: Papua, Indonesia [BMNH]
philotima (Diakonoff, 1954: 33). TL: Papua, Indonesia [RMNH]
 = *xanthorrhoea* Diakonoff, 1954: 27.
protoma (Diakonoff, 1954: 27). TL: Papua, Indonesia [RMNH]
pyrostola (Diakonoff, 1954: 31). TL: Papua, Indonesia [RMNH]
sceptrophora (Diakonoff, 1954: 28). TL: Papua, Indonesia [RMNH]
searsi Park, 2013: 71. TL: Gulf Prov., PNG [USNM]
thermocharis (Meyrick, 1931: 75). TL: Kumusi Riv. PNG [?]
thrasydora (Meyrick, 1910: 444). TL: Papua, Indonesia [BMNH]

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Plate 84

PARK, K.-T.: Checklist of the family Lecithoceridae (Lepidoptera: Gelechioidea) in New Guinea, with ...



1

Birdshead Peninsula
WARKAPI (nr Breie)
primary lowland forest
500m, at light
12.XI.1993

1a

INDONESIA
Irian Jaya
A.J. de Boer,
A.L.M. Rutten &
R. de Vos



2

PAPUA N.GUINEA
Madang, Brahman
Mission - 200m
11-15. x. 1992
V.O. Becker Col

2a

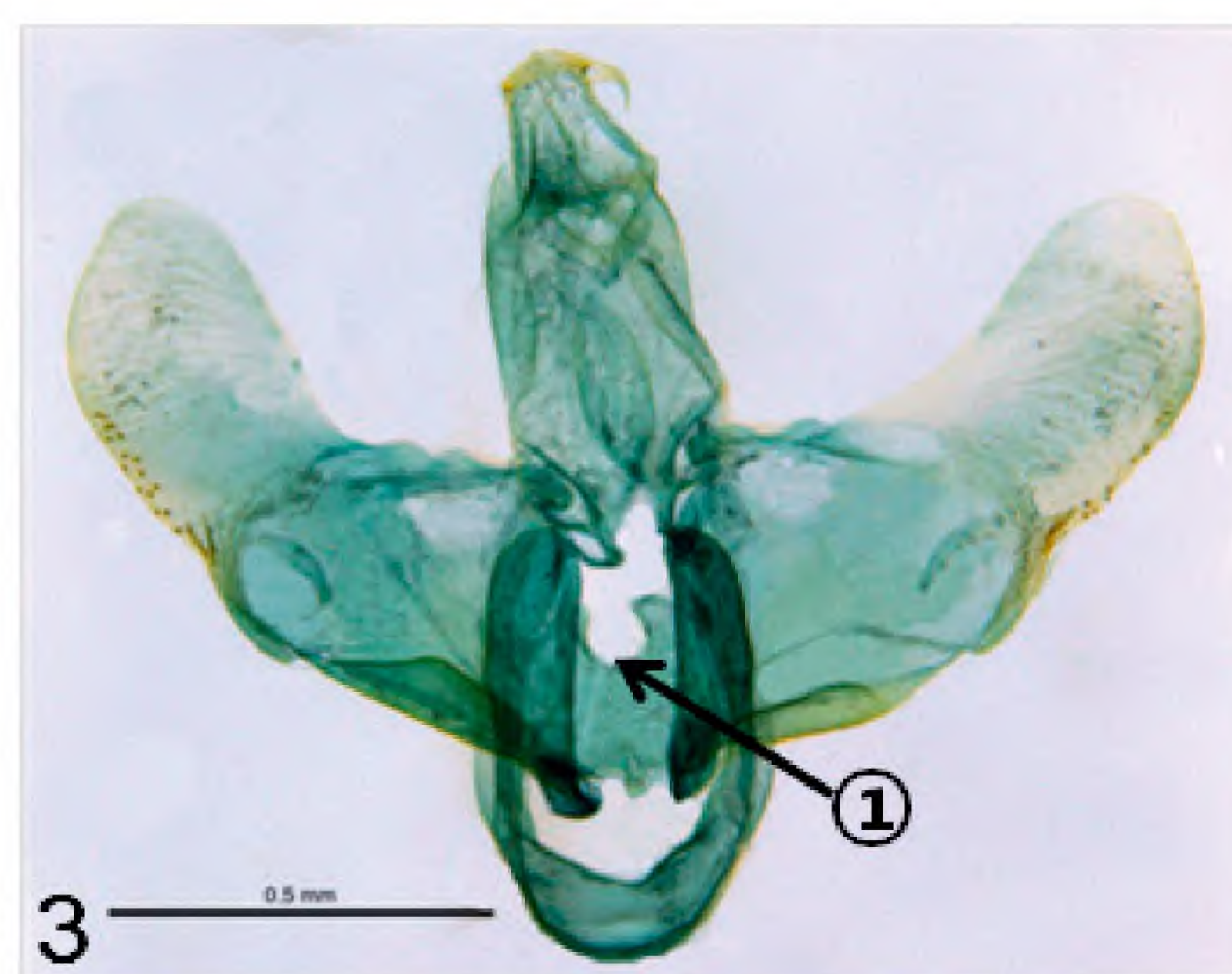
Col. BECKER
PNG 2986



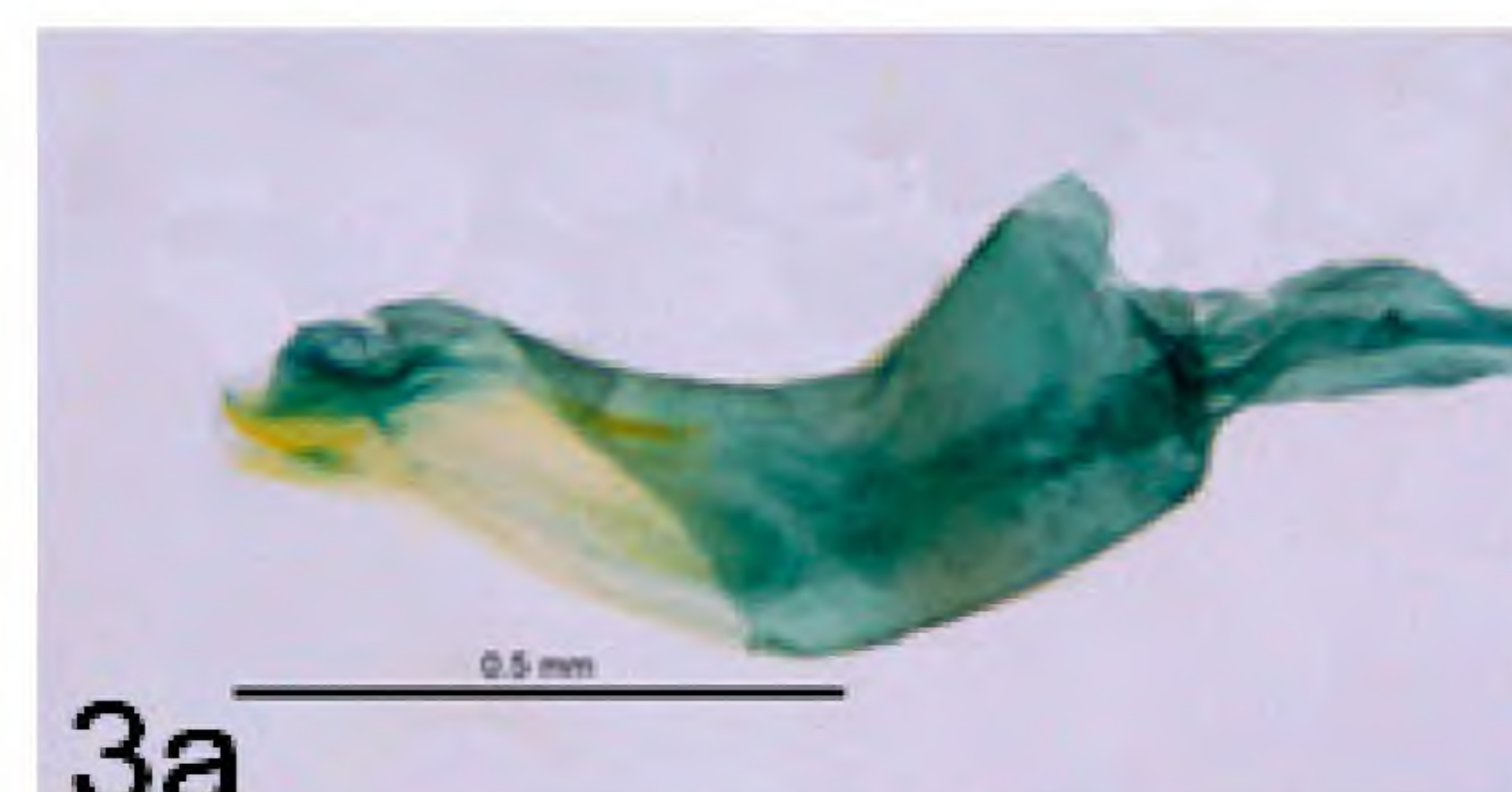
1b



2b



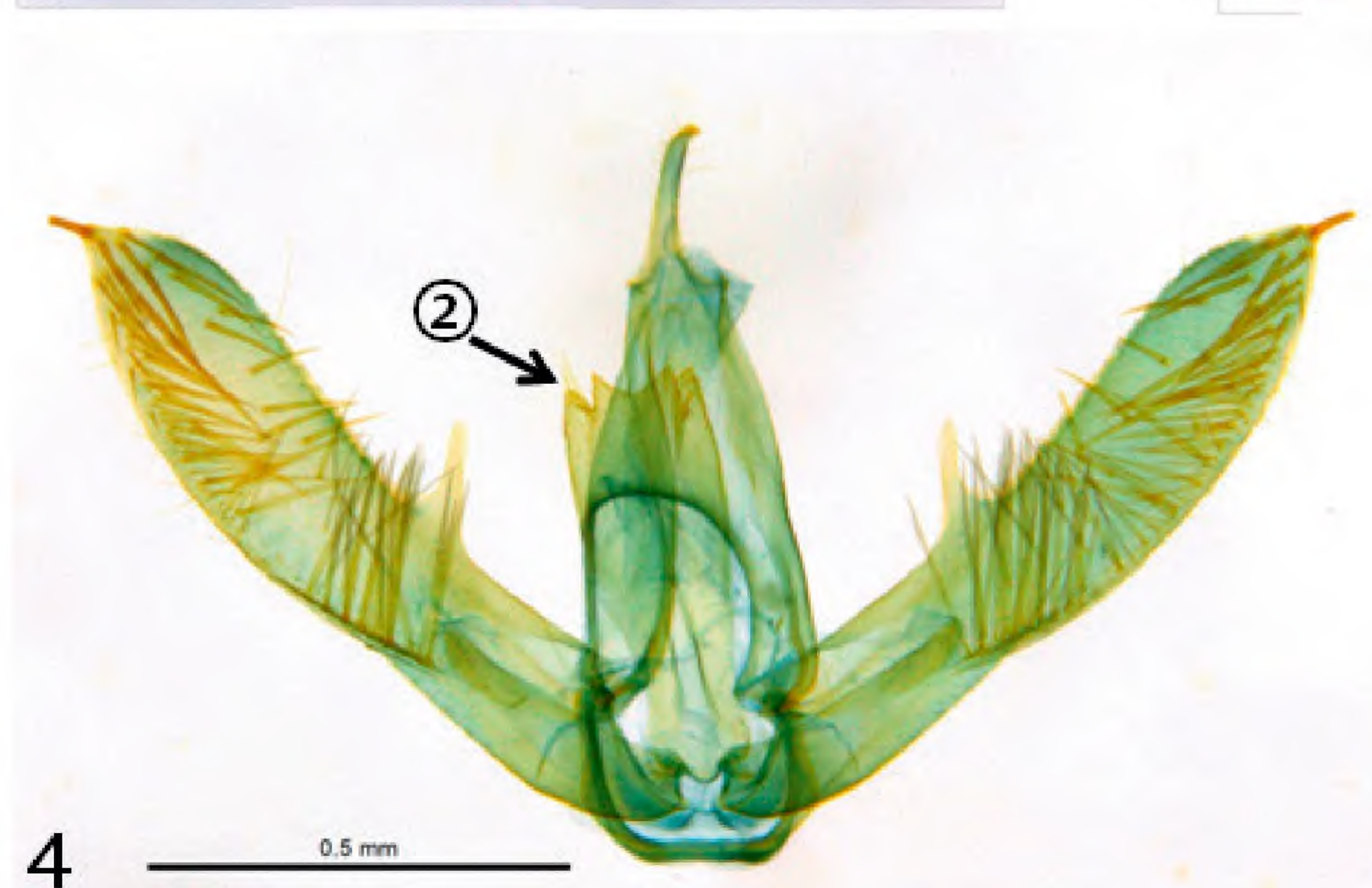
3



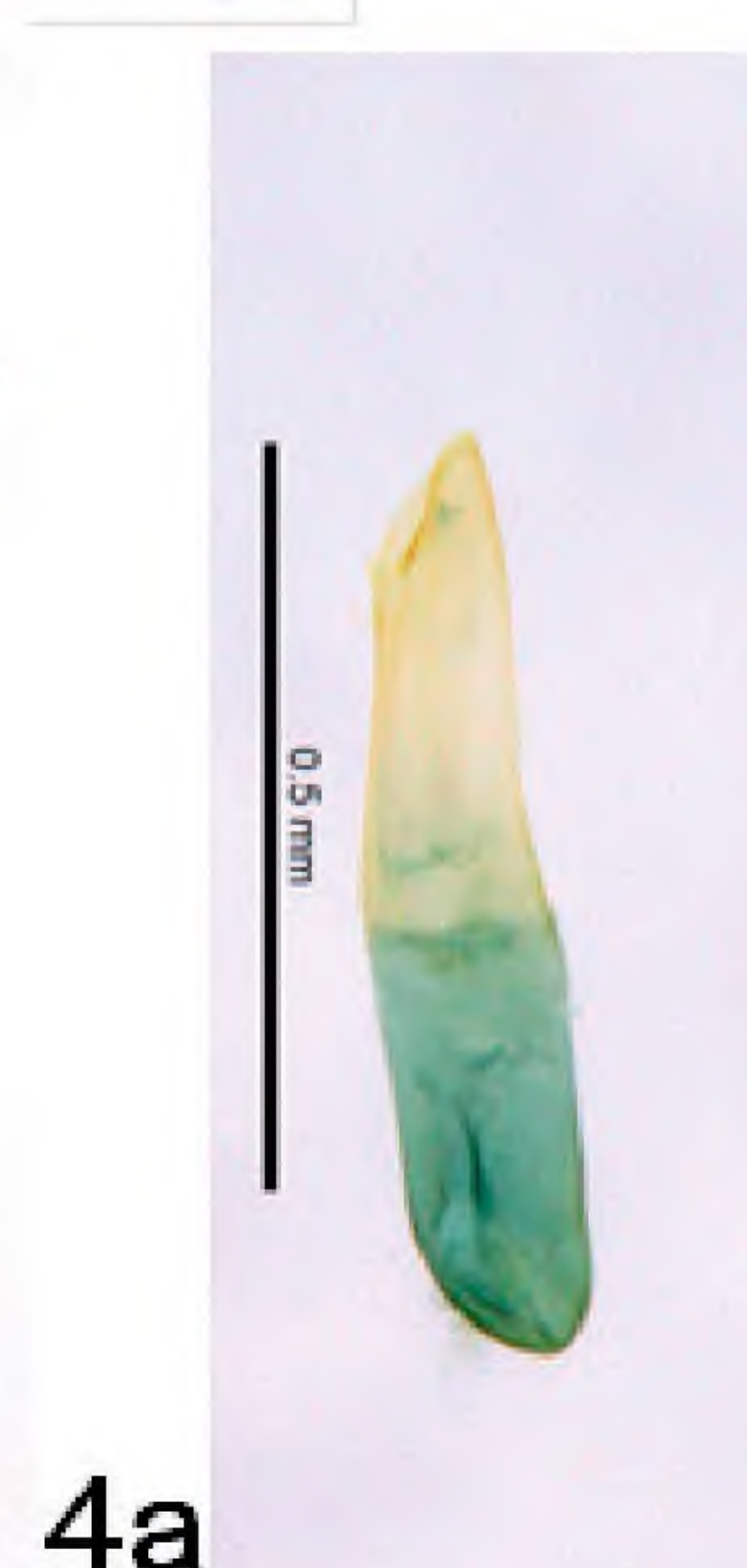
3a



3b



4



4a

Figures 1-4. New Papuan Lecithoceridae species, adults. 1 – *Lecithocera breiensis* sp. nov., holotype ♂, dorsal view; 1a – ditto, labels; 1b – ditto, labial palpus; 2 – *Aprosoesta laminella* sp. nov., holotype ♂, dorsal view; 2a – ditto, labels; 2b – ditto, labial palpus; 3 – *Lecithocera breiensis* sp. nov., ♂ genitalia, slide No CIS- 5922/Park; 3a – ditto, phallus; 3b – ditto, abdominal segment VIII; 4 – *Aprosoesta laminella* sp. nov., ♂ genitalia, slide No CIS-5923; 4a – ditto, phallus [scale bars 0.5 mm].